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CURRICULUM VITAE

NAME Assoc. Prof. Sophida Sukprasert, PhD (Biochemistry)

NATIONALITY THAI

DATE of BIRTH 20 FEBRUARY 1981

EDUCATION

2004 Bachelor of Education (Second Class Honors)
(Major: Chemistry-Biology)
Faculty of Education, Khon Kaen University, Khon Kaen, Thailand

2008 Master of Science (Biochemistry)
Faculty of Science, Khon Kaen University, Khon Kaen, Thailand

2013 Doctor of Philosophy (Biochemistry)
Faculty of Science, Khon Kaen University, Khon Kaen, Thailand

PhD training

2011-2012 Institute of Molecular Biosciences, BioTechMed Graz, University of Graz, Graz, Austria

ACADEMIC EXPERTISE

Clinical Biochemistry
Molecular Medicine
Vitamin D3 and Cancer
Thai Herbal Medicine

WORK HISTORY

June 2013- present: Lecturer, Chulabhorn International College of Medicine, Thammasat University (Rangsit campus), Pathum Thani 12120, Thailand

2019:	Supervisor for elective students from Chengdu University of Traditional Chinese Medicine, 2 May–28 July, 2019
2024:	Supervisor for elective students from Chengdu University of Traditional Chinese Medicine, 15 May–12 August, 2024
2025:	Supervisor for elective students from Chengdu University of Traditional Chinese Medicine, 13th May–10th August, 2025
2025:	Supervisor for a PhD student from Chengdu University of Traditional Chinese Medicine, year 2025-2026

RESEARCH INVESTIGATION

Finished works

Principal investigator

1. "Mapping B-cell/IgE binding epitopes of phospholipase A_1 in wasp venom (*Vespa affinis*)" under TU New Researcher grant, fiscal year 2014
2. "Neutralization determination of Ya-nang daeng (*Bauhinia strychnifolia* Craib) extract in animals exposure to an organophosphorus pesticide" under Thammasat University research fund, fiscal year 2015
3. "Study on permeability across Caco-2 cell monolayers and pharmacokinetics in healthy volunteers of *Thunbergia laurifolia* leaf extract" under Agricultural Research Development Agency (ARDA, Public Organization) grant, fiscal year 2018
4. "Vitamin D and biomarkers of immunity in colon cancer patients" under Chulabhorn International College of Medicine grant, fiscal year 2016 & National Research Council of Thailand for graduate student, fiscal year 2018
5. "Effect of Vitamin D supplementation on Regulatory T cell in Colon Cancer Patients: a Randomized Clinical Trial" under Thammasat University research fund, fiscal year 2019
6. "A Pilot Study: Glycemic Lowering Activity of *Thunbergia laurifolia* Lindl. Leaf Extract in Type 2 Diabetic Rat Models" under Chulabhorn International College of Medicine grant, fiscal year 2019
7. "Determination of Antioxidant Capacity and Total Phenolic Content in *Thunbergia laurifolia* herbal teas: Implications for diabetic patients" under SciUS, TU-SKR project, academic year 2021-2022

8. Toxicity and pharmacokinetics study of *Lysiphyllum strychnifolium* leaf water extract in animals" under Thammasat University research fund, fiscal year 2018
9. "Identification and characterization of specific biomarkers expressed in exosomes in breast cancer patients in Thailand" under Fundamental Fund (FF), fiscal year 2023
10. "Genetic polymorphism and protective role of vitamin D receptor in early stages of Thai colorectal cancer patients after receiving vitamin D3 supplementation" under Fundamental Fund (FF), fiscal year 2024

Ongoing research works

Principal investigator

1. "Immunomodulatory activity of vitamin D3 and *Lysiphyllum strychnifolium* (Craib) A. Schmitz extract: *in vivo* study to clinical outcome in colorectal cancer" under Chulabhorn International College of Medicine (CICM) grant, fiscal year 2022
2. "Immunosensor for circulating tumor DNA (ctDNA) detection in blood: application for early diagnosis in breast cancer" has been submitted to Chulabhorn International College of Medicine (CICM) Innovation grant, fiscal year 2024

RESEARCH PUBLICATIONS

Conference Abstract

1. **Sukprasert, S.**, Kuendee, N., Naladta, A., Yimsoo, T., Yingmema, W., Ariyachayut, A., Treesuppharat, W., Deenonpoe, R., Pansuksan, K., Kulsirirat, T., Sathirakul, K., Daduang, J. (**2024**). P51-8 Vitamin D3 and *Lysiphyllum strychnifolium* extract are immunomodulator in colorectal carcinoma-bearing models. *Annals of Oncology*, 35, S1382: Impact Factor: 65.4

2. Srichomchey, P., **Sukprasert**, **S.,** Pabalan, N., Tharabenjasin, P., Pattaraarchachai, J., Khulasittijinda, N., Voravud, N., Sahakitrungruang, C. (**2024**). PP02.181. Nutritional Status and Lifestyles Assessment in Thai Colorectal Cancer Patients. *Canadian Journal of Dietetic Practice and Research*, 85(3), 311: Impact Factor: 0.7

Research Article

1. **Sukprasert, S**., Nonkhwao, S., Thanwiset, T., Keller, W., Sakda Daduang, S. (**2025**). Immunoinformatics Design and Identification of B-Cell Epitopes from *Vespa affinis* PLA_1 Allergen. *Toxins*, 17(8), 373: Impact Factor: 4.0

2. Charoenporn, V., Tungsukruthai, P., Teacharushatakit, P., Hanvivattanakul, S., Sriyakul, K., **Sukprasert, S.**, Kamalashiran, C., Tungsukruthai, S., Charernboon, T. (**2024**). Effects of an 8-week high-dose vitamin D supplementation on fatigue and neuropsychiatric manifestations in post-COVID syndrome: A randomized controlled trial. *Psychiatry and Clinical Neurosciences*, 78(10), pp. 595–604: Impact Factor: 6.2

3. Charoenporn, V., Tungsukruthai, P., Charernboon, T., Sriyakul, K., **Sukprasert, S.**, Kamalashiran, C. (**2024**). Fatigue and neuropsychiatric manifestations of post-acute sequelae of COVID-19 (PASC): examining the relationship with clinical and inflammatory markers. *Fatigue: Biomedicine, Health & Behavior*, 12(1), 14-31: Impact Factor: 2.2

4. Sinsomboon, O., Kuendee, N., Naladta, A., Sriyakul, K., **Sukprasert, S.** (**2023**). Thai traditional massage modulates urinary MCP-1 and relevant inflammatory biomarkers in lower urinary tract symptom patients. *Journal of Traditional and Complementary Medicine*, 13, 521-529: Impact Factor: 3.0

5. Kuendee, N., Naladta, A., Kulsirirat, T., Yimsoo, T., Yingmema, W., Pansuksan, K., Sathirakul, K., **Sukprasert, S**. (**2023**). *Lysiphyllum strychnifolium* (Craib) A. Schmitz Extracts Moderate the Expression of Drug-Metabolizing Enzymes: In Vivo Study to Clinical Propose. *Pharmaceuticals, 16*, 237: Impact Factor: 4.8

6. Srichomchey, P., **Sukprasert**, **S.**, Khulasittijinda, N., Voravud, N., Sahakitrungruang, C., lumjiaktase, P. (**2023**). Vitamin D_3 Supplementation Promotes Regulatory T-Cells to Maintain Immune Homeostasis After Surgery for Early Stages of Colorectal Cancer. *In Vivo*, 37 (1) 286-293: Impact Factor: 1.8

7. Woottisin, N., **Sukprasert, S**., Kulsirirat, T., Tharavanij, T., Sathirakul, K. (**2022**). Evaluation of the Intestinal Permeability of Rosmarinic Acid from *Thunbergia laurifolia* Leaf Water Extract in a Caco-2 Cell Model. *Molecules, 27*, 3884: Impact Factor: 4.6

8. **Sukprasert, S.,** Deenonpoe, R., Yimsoo, T., Yingmema, W., Prasopdee, S., Krajang, A., Kornthong, N., Pattaraarchachai, J., Daduang, S. (**2021**). Antidote activity and protective effects of *Lysiphyllum strychnifolium* (Craib) A. Schmitz extract against organophosphate

pesticide in omethoate-treated rats. *Journal of Traditional and Complementary Medicine,* 11(3), 189-196: Impact Factor: 3.0

9. Woottisin, N., Kongkiatpaiboon, S., **Sukprasert, S.**, Sathirakul, K. (**2020**). Development and Validation of Stability Indicating HPLC Method for Determination of Caffeic Acid, Vitexin and Rosmarinic Acid in *Thunbergia laurifolia* Leaf Extract. *Pharmacog Journal*, 12(3): Impact Factor: 0.3

10. Chaturawit, P., **Sukprasert, S.**, Pattaraarchachai, J., Voravud, N. (**2020**). Vitamin D status and biomarkers correlation in Thai cancer patients. *J Med Assoc Thai*, 103(Suppl.3), 95-100: Impact Factor: 0.11

11. Pansuksan, K., **Sukprasert, S.**, Karaket, N. (**2020**). Phytochemical Compounds in *Arundo donax* L. Rhizome and Antimicrobial Activities. *Pharmacog Journal*, 12(2), 287-292: Impact Factor: 0..3

12. **Sukprasert, S.**, Pansuksan, K., Sriyakul, K. (**2020**). *Lysiphyllum strychnifolium* (Craib) A. Schmitz extract, a novel neuraminidase inhibitor of avian influenza virus subtype H5N1. *Journal of Herbal Medicine,* 100330: Impact Factor: 1.9

13. Srisong, H., **Sukprasert, S.**, Klaynongsruang, S., Daduang, J., Daduang, S. (**2018**). Identification, expression and characterization of the recombinant Sol g 4.1 protein from the venom of the tropical fire ant *Solenopsis geminata*. *J Venom Anim Toxins incl Trop Dis*, 24(23), 1-13: Impact Factor: 1.8

14. Incamnoi, P.,Patramanon, R.,Klaynongsruang, S., Chaveerach, A.,; Bunyatratchata, W., Uawonggul, N., **Sukprasert, S.**, Namonsai, T., Noikotr, K., Rungsa, P., Daduang ,J.,Daduang, S. (**2018**). Sequence analysis and 3-dimensional molecular modeling of Heteroscorpine from the venom of *Heterometrus* spp. *Maejo Int. J. Sci. Technol, 12*(03), 187-198: Impact Factor: 0.7

15. Rungsa, P., Incamnoi, P., **Sukprasert, S.**, Uawonggul, N., Klaynongsruang, S., Daduang, J., Patramanon, R., Roytrakul, S., Daduang, S. (**2016**). Cloning, structural modeling and characterization of VesT2s, a wasp venom hyaluronidase (HAase) from *Vespa tropica*. *J Venom Anim Toxins incl Trop Dis,* 22(28), 1-11: Impact Factor: 1.8

16. Rungsa, P., Incamnoi, P., **Sukprasert, S.**, Uawonggul, N., Klaynongsruang, S., Daduang, J., Patramanon, R., Roytrakul, S., Daduang, S. (**2016**). Comparative proteomic analysis of two wasps venom, *Vespa tropica* and *Vespa affinis*. *Toxicon*, 119, 159-167: Impact Factor: 2.4

17. Meunchan, M., Uawonggul, N., Incamnoi, P., **Sukprasert, S.**, Rungsa, P., Somdee, T., Roytrakul , S., Thammasirirak, S., Daduang, S. (**2016**).Identification of Bioactive Molecules from Thai Centipede, *Scolopendra subspinipes dehaani*, Venom. *Chiang Mai J. Sci.*, 43(1), 1055-1064: Impact Factor: 0.8

18. Uawonggul, N., **Sukprasert, S.**, Incamnoi, P., Patramanon, R., Thammasirirak, S., Preecharram, S., Bunyatratchata, W., Kuaprasert, B., Daduang, J., Daduang, S. (**2014**). Bacterial Overexpression of Recombinant Heteroscorpine-1 (rHS-1), a Toxin from *Heterometrus laoticus* Scorpion Venom: Trends for Antibacterial Application and Antivenom Production. *Biochem Genet*, 52(11-12), 459-473: Impact Factor: 1.6

19. **Sukprasert, S.**, Rungsa, P., Uawonggul, N., Incamnoi, P., Thammasirirak, S., Daduang, J., Daduang, S. (**2013**). Purification and structural characterisation of phospholipase A_1 (Vespapase, Ves a 1) from Thai banded tiger wasp (*Vespa affinis*) venom. *Toxicon*, 61, 151-164: Impact Factor: 2.4

20. Incamnoi, P., Patramanon, R., Thammasirirak, S., Chaveerach, A., Uawonggul, N., **Sukprasert, S.**, Rungsa, P., Daduang, J., Daduang, S. (**2013**). Heteromtoxin (HmTx), a novel heterodimeric phospholipase A_2 from *Heterometrus laoticus* scorpion venom. *Toxicon*, 61, 62-71: Impact Factor: 2.4

21. **Sukprasert, S.**, Uawonggul, N., Jamjanya, T., Thammasirirak, S., Daduang, J., Daduang, S. (**2012**). Characterization of the allergen Sol gem 2 from the fire ant venom, *Solenopsis geminata*. *J Venom Anim Toxins incl Trop Dis*, 18, 325-334: Impact Factor: 1.8